

National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC 17025:1999  
ISO 9002:1994

## Scope of Accreditation



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### CALIBRATION LABORATORIES

NVLAP LAB CODE 200512-0

#### MARLIN MANUFACTURING CORPORATION

12404 Triskett Road  
P.O. Box 118000  
Cleveland, OH 44111-8000  
Ms. Terry L. Halfacre  
Phone: 216-941-6200 x266 fax: 216-941-6207  
E-Mail: [marlincl@marlinmfg.com](mailto:marlincl@marlinmfg.com)  
URL: <http://marlinmfg.com>

#### DC/LOW FREQUENCY

**NVLAP Code:** 20/E06  
DC Voltage

<i>Range</i>	<i>Best Uncertainty (<math>\pm</math>) % of reading<sup>note 1</sup></i>	<i>Comments</i>
0 to 100 mV	0.005	Fluke 5700A

#### THERMODYNAMICS

**NVLAP Code:** 20/T08  
Thermocouples - Type B

<i>Range in °C</i>	<i>Best Uncertainty (<math>\pm</math>) °C<sup>note 1</sup></i>	<i>Remarks</i>
800 to 1100	0.8	Comparison to Type B
1100 to 1450	1.7	Platinum reference thermocouple

December 31, 2003

Effective through

A handwritten signature in black ink, appearing to read "C. J. Lavin".

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#### Thermocouples - Type E

-100 to 300

0.4

Comparison to Type T  
reference thermocouple

0 to 900

0.5

Comparison to Type S  
reference thermocouple

#### Thermocouples - Type J

0 to 300

0.4

Comparison to Type T  
reference thermocouple

0 to 750

0.5

Comparison to Type S  
Platinum reference  
thermocouple

#### Thermocouples - Type K and Type N

-100 to 300

0.4

Comparison to Type T  
reference thermocouple

0 to 1100

0.5

Comparison to Type S  
Platinum reference  
thermocouple

1100 to 1250

1.6

Comparison to Type S  
Platinum reference  
thermocouple

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Thermocouples - Type R and Type S

0 to 1100

0.5

Comparison to Type S

1100 to 1450

1.6

Platinum reference  
thermocouple

Thermocouples - Type T

-100 to 300

0.4

Comparison to Type T  
reference thermocouple

1. Represents an expanded uncertainty using a coverage factor,  $k=2$ .

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